

ADDENDUM NO. 6- SFM ITEM 25

ITEM 25 Approved As Amended
SFM 1/99
PART 3, ADOPT VARIOUS ARTICLES

Adopt various Articles of the 1999 National Electrical Code (NEC) as published by National Fire Protection Association (NFPA) with the necessary California amendments that are to be operative and effective in the 2001 CEC.

Adopt the following Articles as shown in the 1999 NEC Matrix.

AT THE MAY 24, 2000 MEETING THE COMMISSION APPROVED THE SFM's 15-DAY MODIFICATIONS, WHICH ARE SHOWN BELOW:

(This document replaces the document as shown in the September 1999 "45-Day Public Comment Monograph," page 127.)

1999 NEC ADOPTION MATRIX

1999 NEC Code Section	SFM Adoption
ARTICLE 089 - CA - ADMINISTRATION Adopt only those sections which are listed below	
Sections 089-1 through 089-6-CA	X
<u>Section 089-7 No. 8 CA</u>	<u>X</u>
ARTICLE 90-INTRODUCTION Adopt entire NEC Article without amendments	X
ARTICLE 100-DEFINITIONS Adopt entire NEC Article without amendments	X

ARTICLE 110-REQUIREMENTS FOR ELECTRICAL INSTALLATIONS Adopt entire NEC Article without amendments	X
ARTICLE 225-OUTSIDE BRANCH CIRCUITS AND FEEDERS Adopt only those sections which are listed below	
Section 225-19 (e) NEC	X
ARTICLE 250-GROUNDING Adopt only those sections which are listed below	
Section 250-43 (i) NEC	X
ARTICLE 300-WIRING METHODS Adopt only those sections which are listed below	
Section 300-21 & 22 NEC	X
ARTICLE 305-TEMPORARY WIRING Adopt only those sections which are listed below	
Section 305-3(c)-CA	X
ARTICLE 330-MINERAL-INSULATED, METAL-SHEATHED CABLE TYPE MI Adopt only those sections which are listed below	
Section 330-1,3 & 4 NEC	X
ARTICLE 331-ELECTRICAL NON-METALLIC TUBING Adopt only those sections which are listed below	
Section 331-1,3, & 4 NEC	X
ARTICLE 334-METAL-CLAD CABLE TYPE MC Adopt only those sections which are listed below	
Section 334-1, 3, & 4 NEC	X

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ARTICLE 336-NONMETALLIC-SHEATHED CABLE TYPES NM, NMC, & NMS	
Adopt only those sections which are listed below	
Section 336-4 (a) & (b), 4 NEC	X
ARTICLE 370-OUTLET, DEVICE, PULL & JUNCTION BOXES, CONDUIT BODIES & FITTINGS	
Adopt only those sections which are listed below	
Section 370-15 NEC	X
ARTICLE 400-FLEXIBLE CORDS & CABLES	
Adopt only those sections which are listed below	
Section 400-6 through 400-10 NEC	X
Section 400-12 through 400-14 NEC	X
Section 400-30 through 400-36 NEC	X
ARTICLE 410-LIGHTING FIXTURES, LAMPHOLDERS, LAMPS & RECEPTACLES	
Adopt only those sections which are listed below	
Section 410-5, 6, 8(d), 12 & 13 NEC	X
Section 410-86(c) NEC	X
ARTICLE 422-APPLIANCES	
Adopt only those sections which are listed below	
Section 422-8 (a), (b), & (c) NEC	X
Section 422-10 through 422-12 NEC	X
ARTICLE 450-TRANSFORMERS & TRANSFORMER VAULTS	
Adopt only those sections which are listed below	
Section 450-13, 21, 23, 24, 26, 27, 41, & 48 NEC	X
ARTICLE 500-HAZARDOUS (CLASSIFIED) LOCATIONS	X
Adopt entire NEC Article without amendments	

ARTICLE 501-CLASS I LOCATIONS	X
Adopt entire NEC Article without amendments	
ARTICLE 502-CLASS II LOCATIONS	X
Adopt entire NEC Article without amendments	
ARTICLE 503-CLASS III LOCATIONS	X
Adopt entire NEC Article without amendments	
ARTICLE 625-ELECTRICAL VEHICLE CHARGING SYSTEMS	
Adopt only those sections which are listed below	
Section 625 [CEC]	X
ARTICLE 695-FIRE PUMPS	X
Adopt entire NEC Article without amendments	
ARTICLE 700-EMERGENCY SYSTEMS	
Adopt entire NEC Article as amended (amendments listed below)	
Section 700-12(b) (2) Exceptions 1, 2, & 3 [CEC]	X
ARTICLE 701-LEGALLY REQUIRED STANDBY SYSTEMS	X
Adopt entire NEC Article without amendments	
ARTICLE 702-OPTIONAL STANBY SYSTEMS	X
Adopt entire NEC Article without amendments	
ARTICLE 725-CLASS 1, CLASS 2, & CLASS 3 REMOTE-CONTROL, SIGNALING & POWER-LIMITED CIRCUITS	X
Adopt entire NEC Article without amendments	

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ARTICLE 760-FIRE PROTECTIVE SIGNALING SYSTEMS	
Adopt entire NEC Article as amended (amendments listed below)	
Section 760-1 [CEC]	X
Section 760-5 NEC	X
Appendix C	X

PROPOSED AMENDMENTS:

Amend Article 089 as follows:

Article 089 Administration

089-7. Application.

8. SFM -- Office of the State Fire Marshal.

~~**Application** -- All high-rise buildings; assembly, educational and institutional buildings; all other occupancies when auxiliary or accessory to an assembly, educational or institutional building; organized camps and State-owned or occupied buildings, including State colleges and universities; tents, awnings, or other fabric enclosures used in connection with any occupancy.~~

~~**Enforcing Agency** -- Local fire authority, State Fire Marshal where no local fire authority exists and for State-owned or occupied buildings.~~

~~**Authority Cited** -- Health and Safety Code Sections 13108, 13116, 13143, 13143.6, 13211, and 18897.3.~~

~~**Reference** -- Health and Safety Code Sections 13100 through 13146.5, 13210 through 13216 and 18897 through 18897.7.~~

~~Any building or structure used or intended for use as an asylum, jail, mental hospital, hospital, sanitarium, home for the aged, children's nursery, children's home, school or any similar occupancy of any capacity.~~

~~Any theater, dancehall, skating rink, auditorium, assembly hall, meeting hall, nightclub, fair building, or similar place of assemblage where 50 or more persons may gather together in a building, room or structure for the purpose of amusement, entertainment, instruction, deliberation, worship, drinking or dining, awaiting transportation, or education.~~

~~Any building or structure which is open to the public and is used or intended to be used for the showing of motion pictures when an admission fee is charged and when the building or structure has a capacity of 10 or more persons.~~

~~Authority Cited -- Health and Safety Code Section 13143.~~

~~Reference -- Health and Safety Code Section 13143.~~

Small Family Day-care Homes

Authority Cited -- Health and Safety Code Sections 1597.45, 1597.54, 13143 and 17921.

Reference -- Health and Safety Code Section 13143.

Large Family Day-care Homes

Authority Cited -- Health and Safety Code Sections 1597.46, 1597.54 and 17921.

Reference -- Health and Safety Code Section 13143.

Residential Facilities and Residential Facilities for the Elderly

Authority Cited -- Health and Safety Code Section 13133.

Reference -- Health and Safety Code Section 13143.

Any state institution or other state-owned or state-occupied building.

Authority Cited -- Health and Safety Code Section 13108.

Reference -- Health and Safety Code Section 13143.

High-rise Structures

Authority Cited -- Health and Safety Code Section 13211.

Reference -- Health and Safety Code Section 13143.

Motion Picture Production Studios

Authority Cited -- Health and Safety Code Section 13143.1.

Reference -- Health and Safety Code Section 13143.

Organized Camps

Authority Cited -- Health and Safety Code Section 18897.3.

Reference -- Health and Safety Code Section 13143.

All hotels, motels, lodging houses, apartment houses and dwellings, including congregate residences and buildings and structures accessory thereto.

Multiple-story structures existing on January 1, 1975, let for human habitation, including and limited to, hotels, motels, apartment houses, less than 75 feet (22

60 mm) above the lowest floor level having building access, wherein rooms used for sleeping are let above the ground floor.

Authority Cited -- Health and Safety Code Sections 13143.2 and 17921.

Reference -- Health and Safety Code Section 13143.

Certified family-care homes, out-of-home placement facilities, halfway houses, drug and/or alcohol rehabilitation facilities and any building or structure used or intended for use as a home or institution for the housing of any person of any age when such person is referred to or placed within such home or institution for protective social care and supervision services by any governmental agency.

Authority Cited -- Health and Safety Code Section 13143.6.

Reference -- Health and Safety Code Section 13143.

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Tents, awnings or other fabric enclosures used in connection with any occupancy.

Authority Cited -- Health and Safety Code Section 13116.

Reference -- Health and Safety Code Section 13143.

Enforcing Agency -- Pursuant to Section 13146, Health and Safety Code:

The responsibility for enforcement of building standards adopted by the state fire marshal and published in the California Building Standards Code relating to fire and panic safety and other regulations of the Office of the State Fire Marshal shall be as follows:

1. The city, county, or city and county with jurisdiction in the area affected by the standard or regulation shall delegate the enforcement of the building standards relating to fire and panic safety and other regulations of the state fire marshal as they relate to Group R, Division 3 dwellings, as described in Section 310.1 of Part 2 of the California Building Standards Code, to either of the following:

1.1 The chief of the fire authority of the city, county, or city and county, or an authorized representative.

1.2 The chief building official of the city, county, or city and county, or an authorized representative.

2. The chief of any city or county fire department or of any fire-protection district, and authorized representatives, shall enforce within the jurisdiction the building standards and other regulations of the state fire marshal, except those described in Item 1 or 4.

3. The state fire marshal shall have authority to enforce the building standards and other regulations of the state fire marshal in areas outside of corporate cities and districts providing fire-protection services.

4. The state fire marshal shall have authority to enforce the building standards and other regulations of the state fire marshal in corporate cities and districts providing fire-protection services on request of the chief fire official or the governing body.

5. Any fee charged pursuant to the enforcement authority of this section shall not exceed the estimated reasonable cost of providing the service for which the fee is charged pursuant to Section 66014 of the Government Code.

Existing 1998 CEC amendments being adopted into the 2001 CEC.

Article 305 Temporary Wiring

305-3. Time Constraints.

- (a) **During the Period of Construction.** ...
- (b) **90 Days.** ...
- (c) **Emergencies and Tests.** Temporary electrical power

and lighting installations shall be permitted during emergencies and for tests, experiments, and developmental work **[For SFM]** as approved by the authority having jurisdiction.

(d) Removal.....

Article 700 Emergency Systems

700-12. General Requirements. ...

(a) Storage Battery

(b) Generator Set.

- (1) A generator set driven by a prime mover acceptable to the authority having jurisdiction and sized in accordance with Section 700-6. Means shall be provided for automatically starting the prime mover on failure of the normal service and for automatic transfer and operation of all required electrical circuits. A time-delay feature permitting a 15-minute setting shall be provided to avoid retransfer in case of short-time reestablishment of the normal source.
- (2) Where internal combustion engines are used as the prime mover, an on-site fuel supply shall be provided with an on-premise fuel supply sufficient for not less than 2 hours full-demand operation of the system.

[Exceptions for SFM, OSHPD 1, 2, 3, & 4]

Exception No. 1: [CEC] The on-premise fuel supply shall be sufficient for not less than 24 hours full-demand operation in acute general care hospitals, and correctional treatment centers that provide optional services.

Exception No. 2: [CEC] The on-premise fuel supply shall be sufficient for not less than 6 hours full-demand operation in the following health facilities of seven or more beds: correctional treatment centers that provide only basic services, acute psychiatric hospitals, intermediate care facilities and skilled nursing facilities.

Exception No. 3: [CEC] The on-premise fuel supply shall be sufficient for not less than 4 hours full-demand operation in ambulatory surgical clinics.

Note: Article 760 is being amended under a separate Rulemaking. See SFM EF 1/98.